Crysler, Ruby

From: KNIGHT, COLE D GS-12 USAF HAF 22 CES/AFCEC/CZOM <cole.knight@us.af.mil>
Sent: Thursday, May 10, 2018 10:59 AM
To: Crysler, Ruby; margaret.townsend@ks.gov; jesse.saegert@ks.gov; randy.carlson@ks.gov; gary.richards@ks.gov; mark.d.wichman@usace.army.mil; Andrea.Sansom@usace.army.mil; KNIGHT, COLE D GS-12 USAF HAF 22 CES/AFCEC/CZOM; michaeld@ageiss-inc.com; HURTADO, JOSE J CIV USAF AFMC AFCEC/CZRX; neyda.gutierrez.1.ctr@us.af.mil; brian.wight@aecom.com; michael.krause@aecom.com; ryan.mowan@aecom.com; dustin.gangelhoff@aecom.com; andrew.j.kelly@aecom.com; Vanessa.bergantzel@aecom.com
Subject: FW: [Non-DoD Source] FW: McConnell AFB PBR: Responses to KDHE Comments on Final SS544 (SWMU107) RFI
Attachments: SS544_FNL_RFI_RTCs (KDHE).docx
Signed By: cole.knight@us.af.mil

From: Wight, Brian [mailto:brian.wight@aecom.com]
Sent: Thursday, May 10, 2018 8:18 AM
To: KNIGHT, COLE D GS-12 USAF HAF 22 CES/AFCEC/CZOM <cole.knight@us.af.mil>
Cc: Mark D. Wichman (mark.d.wichman@usace.army.mil) <mark.d.wichman@usace.army.mil>; Sansom, Andrea NWO <Andrea.Sansom@usace.army.mil>; michaeld@ageiss-inc.com; HURTADO, JOSE J CIV USAF AFMC AFCEC/CZRX <jose.hurtado@us.af.mil>; GUTIERREZ, NEYDA V CTR USAF AFMC AFCEC/CZR <neyda.gutierrez.1.ctr@us.af.mil>; Krause, Michael <michael.krause@aecom.com>; Mowan, Ryan <ryan.mowan@aecom.com>; Gangelhoff, Dustin <dustin.gangelhoff@aecom.com>
Subject: [Non-DoD Source] FW: McConnell AFB PBR: Responses to KDHE Comments on Final SS544 (SWMU107) RFI

Cole,

The responses to KDHE's comments on the SS544 Final RFI are attached. The original transmittal is documented in the email below. Please forward this email to the folks listed below.

Crysler.Ruby@epa.gov
margaret.townsend@ks.gov
jesse.saegert@ks.gov
randy.carlson@ks.gov
gary.richards@ks.gov
mark.d.wichman@usace.army.mil
Andrea.Sansom@usace.army.mil
cole.knight@us.af.mil
michaeld@ageiss-inc.com
Jose.hurtado@us.af.mil
neyda.gutierrez.1.ctr@us.af.mil
brian.wight@aecom.com
michael.krause@aecom.com
ryan.mowan@aecom.com
dustin.gangelhoff@aecom.com
andrew.j.kelly@aecom.com
Vanessa.bergantzel@aecom.com

574539

Thanks

Brian Wight, PE
Department/Senior Project Manager, Environment, Central Midwest
D +1-402-952-2557
[redacted]
brian.wight@aecom.com

AECOM
12120 Shamrock Plaza
Suite 100
Omaha, Nebraska 68154, USA
T +1-402-334-8181
aecom.com

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From: Wight, Brian
Sent: Tuesday, January 09, 2018 11:11 AM
To: jorge.jacobs@ks.gov
Cc: 'Crysler, Ruby'; Mark D. Wichman (mark.d.wichman@usace.army.mil); KNIGHT, COLE D GS-11 USAF AMC 22 CES/CEAN (cole.knight@us.af.mil); Sansom, Andrea NWO; michaeld@ageiss-inc.com; 'Jose.hurtado@us.af.mil'; GUTIERREZ, NEYDA V CTR USAF AFMC AFCEC/CZR; Julie Spencer; Mike L. Schofield (mlschofield@gsi-net.com); Krause, Michael; Mowan, Ryan (ryan.mowan@aecom.com); Bergantzel, Vanessa
Subject: McConnell AFB PBR: Responses to KDHE Comments on Final SS544 (SWMU107) RFI

Jorge,

On behalf of the USAF, URS/GSI's responses to KDHE's comments on the SS544 (SWMU 107) Final RFI are attached for your review and approval. If possible, please provide your approval on or before 16 January 2017.

Thanks

Brian Wight, PE
Department/Senior Project Manager, Environment, Central Midwest
D +1-402-952-2557
[redacted]
brian.wight@aecom.com

AECOM
12120 Shamrock Plaza
Suite 100
Omaha, Nebraska 68154, USA
T +1-402-334-8181
aecom.com

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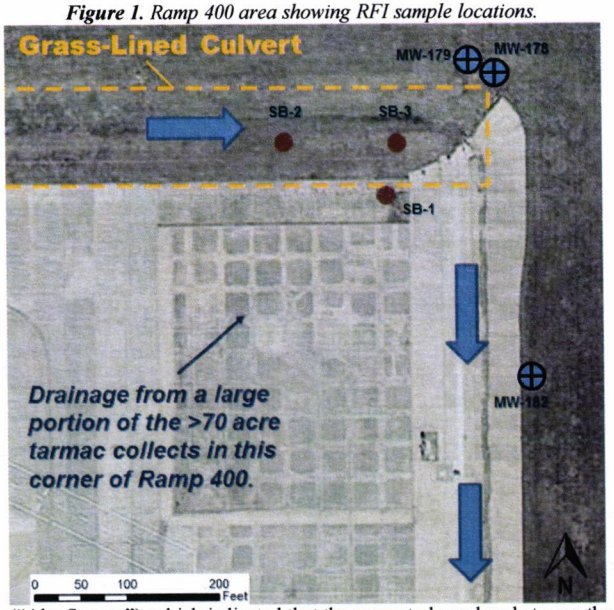
TECHNICAL REVIEW COMMENTS
McConnell AFB PBR
W9128F-13-C-022
SS544 (SWMU 207)
Final SWMU No. 207 (SS544) RCRA Facility Investigation Report
McConnell Air Force Base, Wichita, Kansas
Date of Comments: 1 December 2017

Name: Kelly Peterson	**Phone Number: (785) 291-3245**
Organization: KDHE	**E-mail Address: Kelly.Peterson@ks.gov**

General Comments:

1. The identification of the Ramp 400 Area as a potential source for VOC contamination is not adequately supported by groundwater data presented in this report and the lack of detected VOCs in the soil samples collected in this area.
   URS Response: At the Ramp 400 area, the suspected release mechanism of contaminants of concern (COCs) to groundwater is the infiltration of storm water (surface runoff) containing dilute concentrations of COCs from a large portion of the Former Boeing tarmac, a >70 acre area with a long history of aircraft maintenance activities. The following lines of evidence support our proposed conceptual site model (CSM) for Ramp 400:
   1) Storm water runoff from the Former Boeing tarmac is directed north towards the grass-lined culvert and then south along the concrete-lined culvert (see **Figure 1**). Field observations during RFI sampling events confirmed pooling of water in the grass-lined culvert during/after a storm event. Surface runoff entering the grass-lined culvert has the potential to infiltrate the subsurface (and the underlying paleochannel deposits), serving as a source of COCs during historical maintenance activities on the tarmac.
   2) The distribution of contaminant mass in groundwater in the paleochannel deposits is centered in the Ramp 400 area. Specifically, local maximum concentrations of Carbon Tetrachloride (see Figure 3-8 of the RFI report), 1,1 Dichloroethene (see Figure 3-9 of the RFI report), and Trichloroethene (see Figure 3-10 of the RFI report) were identified at monitoring well MW-178, located alongside the grass-lined culvert of the Ramp 400 area (see **Figure 1**). Elevated concentrations of these COCs were also detected at other Ramp 400 monitoring wells (MW-34, MW-179, MW-180, MW-182).
   3) Benzene and Toluene were detected in soil samples from boring SB-3 during the RFI (see Table 3-3 of the RFI report). This is consistent with our proposed CSM for Ramp 400, where contaminated runoff consists of a mixture of various COCs infiltrated the subsurface.

Figure 1. *Ramp 400 area showing RFI sample locations.*



2. **Figures:** In 2016, Boeing conducted a detailed property boundary survey ("Alta Survey"), which indicated that the property boundary between the former Boeing property and McConnell Air Force Base did not match the previously marked boundary. KDHE/BER requests that the property boundaries included in this report reflect the updated survey.
   URS Response: Although the boundary line does not impact the RFI results, the changes will be made to the figures, and replacement pages will be issued.

Specific Comments:

None